Name:

at1110paper_practice_test (v23)

1. Factor the expression.
$$16x^2 - 81$$

2. Solve the equation with factoring by grouping.
$$15x^2 + 18x - 10x - 12 \; = \; 0$$

3. Expand the following expression into standard form.
$$(7x + 8)(3x + 4)$$

4. Solve the equation.
$$(7x - 4)(8x + 3) \; = \; 0$$

5. Expand the following expression into standard form.

$$(7x + 2)(7x - 2)$$

6. Solve the equation.

$$7x^2 - 13x + 1 = 4x^2 - 2x - 5$$

7. Expand the following expression into standard form.

$$(3x - 4)^2$$

8. Factor the expression.

$$x^2 + 17x + 72$$